

FIG.1

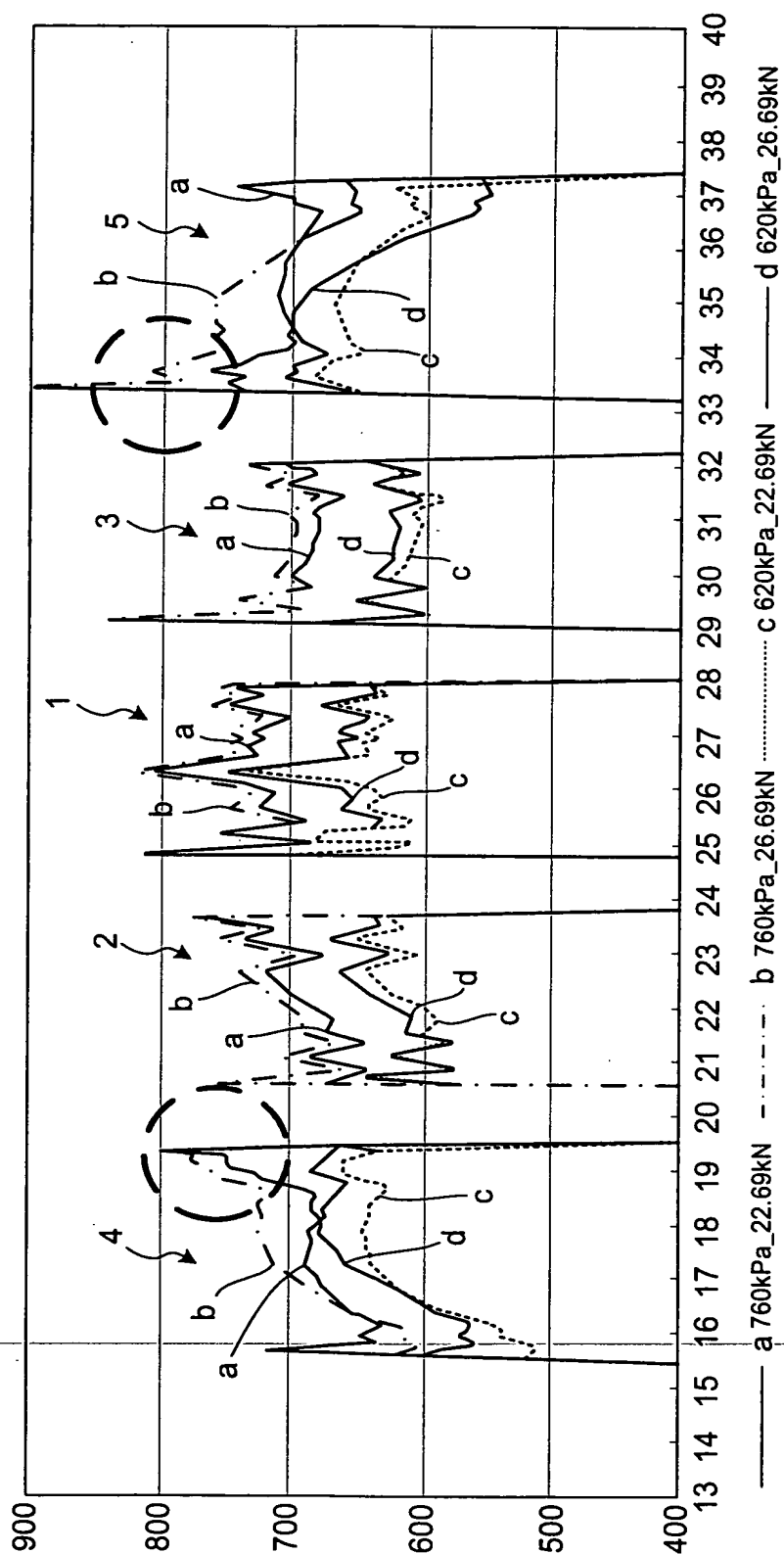


FIG.2























	INNER GROOVE ANGLE	OUTER GROOVE ANGLE	RIB SURFACE BUFFING SHAPE
FIRST COMPARATIVE EXAMPLE		 20°	-
CONVENTIONAL PRODUCT		 20°	-
FIRST EXAMPLE		 0°	-
SECOND EXAMPLE		 10°	-
THIRD EXAMPLE		 -10°	-
SECOND COMPARATIVE EXAMPLE		 10°	RIB SURFACE CONCAVE (SMALL) 
THIRD COMPARATIVE EXAMPLE		 10°	RIB SURFACE CONCAVE (LARGE) 
FOURTH COMPARATIVE EXAMPLE		 10°	RIB SURFACE CONVEX (SMALL) 
FIFTH COMPARATIVE EXAMPLE		 10°	RIB SURFACE CONVEX (LARGE) 

FIG.3

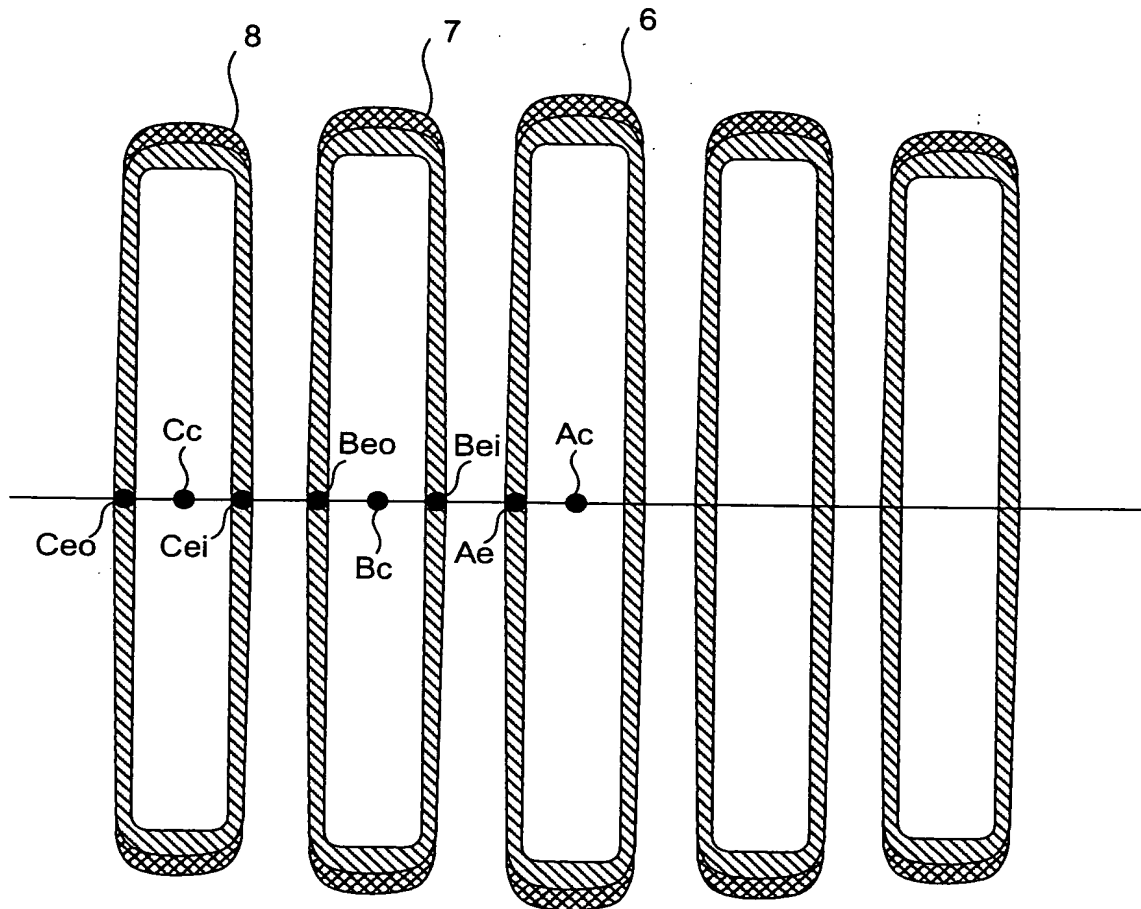


FIG.4

☆ : STEPPED WEAR
★ : RAILWAY WEAR

	CENTER RIB	SECOND RIB		SHOULDER RIB		
		Bei/Bc	Beo/Bc	Cei/Cc	Ceo/Cc	
FIRST COMPARATIVE EXAMPLE	0.88	0.90	1.03★	★1.13	0.88	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
FIRST CONVENTIONAL EXAMPLE	0.97	1.00	1.03★	★1.13	0.88	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
FIRST EXAMPLE	0.88	0.90	0.85	0.92	0.86	NONE
SECOND EXAMPLE	0.88	0.90	0.95	0.95	0.88	NONE
THIRD EXAMPLE	0.88	0.90	0.80	0.90	0.85	NONE
SECOND COMPARATIVE EXAMPLE	1.00	1.00	1.00★	★1.00	1.00	BOTH OUTER GROOVE EDGES→ RAILWAY WEAR
THIRD COMPARATIVE EXAMPLE	1.05★	★1.05	1.09★	★1.23	1.20☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR ALL OTHER RIB EDGES→ RAILWAY WEAR
FOURTH COMPARATIVE EXAMPLE	0.80	0.80	0.75	0.80	0.81☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR
FIFTH COMPARATIVE EXAMPLE	0.75★	★0.75	0.68★	★0.76	0.59☆	SHOULDER RIB OUTER EDGE→ STEPPED WEAR ALL OTHER RIB EDGES→ RAILWAY WEAR
	(0.80 TO 1.00)	(0.80 TO 1.00)	(0.75 TO 0.95)	(0.80 TO 0.95)	(0.85 TO 1.00)	